



Australian Government

MARB001 Assist with routine maintenance of a vessel

Release: 1

MARB001 Assist with routine maintenance of a vessel

Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to carry out general routine maintenance on a vessel up to 80 metres.

This unit applies to general purpose hands working in the maritime industry on vessels up to 80 metres in near coastal waters as part of a vessel crew.

This unit has links to legislative and certification requirements.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Select and set up equipment and materials for cleaning

- 1.1 Equipment is selected according to type of cleaning to be undertaken
- 1.2 Equipment is checked to ensure it is clean and serviceable
- 1.3 Suitable dry and wet cleaning agents and chemicals are selected and prepared according to manufacturer instructions and work health and safety(WHS)/occupational health and safety (OHS) requirements
- 1.4 Suitable personal protective clothing and equipment is selected and used where necessary

2 Clean work area

- 2.1 Work area to be cleaned is prepared and hazards are identified

- 2.2 Work area is barricaded or warning signs are provided, as appropriate, to reduce risk to self and other crew members
 - 2.3 Correct cleaning agents are selected and applied according to manufacturer instructions and WHS/OHS requirements
 - 2.4 Equipment is used correctly and safely
- 3 Follow instructions to carry out routine maintenance of vessel machinery**
 - 3.1 Suitable personal protective clothing is selected and used according to WHS/OHS safety requirements
 - 3.2 Greasing, lubrication and other routine servicing of vessel machinery and equipment is carried out according to supervisor and manufacturer instructions
 - 3.3 Routine adjustments and repairs are made to vessel machinery and equipment according to supervisor and manufacturer instructions
 - 3.4 Faulty vessel machinery and equipment is identified and reported according to workplace procedures
- 4 Prepare and paint surfaces**
 - 4.1 Suitable personal protective clothing is selected and used according to WHS/OHS requirements
 - 4.2 Surfaces are prepared using correct equipment
 - 4.3 Rust remover, rust converter and undercoats are applied according to manufacturer specifications
 - 4.4 Paints are mixed in correct proportions according to manufacturer specifications
 - 4.5 Finishing coat is applied using brush, roller or spray gun
- 5 Maintain and store tools, equipment and chemicals**
 - 5.1 Equipment and tools are cleaned, returned to operating order and stored according to supervisor and manufacturer instructions
 - 5.2 Environmental procedures are followed and waste from cleaning and maintenance tasks is collected, treated and disposed of or recycled, according to workplace procedures
 - 5.3 Work area is cleaned and maintained according to workplace requirements
 - 5.4 Malfunctions, faults, wear or damage to tools are reported according to workplace procedures

5.5 Chemicals are stored according to supervisor and manufacturer instructions

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Equipment includes one or more of the following:

- cleaning supplies
- hand held power tools
- hand tools
- grease guns
- paint and rust prevention material
- personal protective equipment

Personal protective clothing and equipment includes one or more of the following:

- boots
- gloves
- hat/hard hat
- hearing protection
- overalls
- protective eyewear
- respirator or face mask
- safety harness
- sun protection
- wet weather gear

- Work area includes one or more of the following:
- battery room
 - engine room
 - exposed deck area
 - firefighting equipment spaces
 - store room
 - wheelhouse and accommodation area
- Routine adjustments and repairs includes one or more of the following:
- checking cooling system, fuel, grease and oil, battery levels
 - dismantling and assembling
 - inspecting fan belts, leads, lines, connections, air filters, hydraulics, lighting
 - making minor adjustments
 - testing
- Surfaces include one or more of the following:
- external and internal bulkhead
 - funnel
 - hatches and coamings
 - hull
 - masts

Unit Mapping Information

This is a new unit. This unit is equivalent to MARB1001A Assist with routine maintenance of a vessel.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>